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Tae Heon Lee et al.

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10/13/2000GROUP  
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
					YES	NO.
10 2 5 6 2 4 0	09/25/98	Japan				
10 1 9 9 9 3 4	07/31/98	Japan				
9 2 9 3 8 2 2	11/11/97	Japan				
9 0 9 2 7 7 5	04/04/97	Japan				
8 6 4 6 3 4	03/08/96	Japan				
7 2 9 7 3 4 4	11/95	Japan				
6 2 6 0 5 3 2	09/16/94	Japan				
6 9 2 0 7 6	04/05/94	Japan				
5 2 8 3 4 6 0	10/29/93	Japan				
5 1 6 6 9 9 2	07/93	Japan				
5 1 2 9 4 7 3	05/25/93	Japan				
4 0 9 8 8 6 4	03/92	Japan				
1 1 0 6 4 5 6	04/24/89	Japan				
63 3 1 6 4 7 0	12/23/88	Japan				
63 2 4 9 3 4 5	10/17/88	Japan				
60 2 3 1 3 4 9	11/16/85	Japan				
60 1 9 5 9 5 7	10/04/85	Japan				
60 1 1 6 2 3 9	08/06/85	Japan				
60 0 1 0 7 5 6	01/19/85	Japan				
59 2 2 7 1 4 3	12/20/84	Japan				
59 2 0 8 7 5 6	11/27/84	Japan				
55 1 6 3 8 6 8	12/20/80	Japan				
10 0 2 2 0 1 54	06/18/99	Korea				
19 97 7 2 3 5 8	11/07/97	Korea				
94 1 9 7 9	01/03/94	Korea				
DE 19 7 34 7 94 A1	08/11/97	Germany				
EP 1 0 3 2 0 37	08/30/00	European Patent Office				
EP 0 9 36 6 7 1	08/18/99	European Patent Office				
EP 0 8 4 4 6 65	05/27/98	European Patent Office				
EP 0 7 94 5 72 A2	10/09/97	European Patent Office				
EP 0 7 20 2 3 4	03/07/96	European Patent Office				
EP 0 7 20 2 2 5	03/07/96	European Patent Office				
EP 5 9 05 0 93 9	03/19/84	European Patent Office				
EP 5 4 02 1 11 7	06/08/79	European Patent Office				
99 6 7 8 2 1	12/29/99	PCT				
99 5 6 3 1 6	11/04/99	PCT				

## OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant Pages, Place of Publication\*\*\*)

PLN		JEDEC Solid State Product Outline, "2 Lead Header Family Surface Mounted (Peripheral Terminals)", 4 pages
		Mannion, P., "MOSFET's Break Out of the Shackles of Wirebonding", Electronic Design, Vol. 47, #6 (March 22, 1999)
		Micro Electronics Packaging Handbook, 1989, edited by R. Tummala & E. Rymaszewski, published by Van Nostrand Reinhold, New York, NY
DLN		National Semiconductor Application Note 1187, "Leadless Leadframe Package (LLP)", October, 2002, <a href="http://www.national.com/an/AN/AN-1187.pdf">http://www.national.com/an/AN/AN-1187.pdf</a>

EXAMINER

*Julius Nyugen*

DATE CONSIDERED

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EXAMINER: Initial citation considered. Draw line through citation if not in conformation and not considered. Include copy of this form with next communication to applicant.

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**Note: Applicant is not required to submit a paper copy of cited US Patent Documents**

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
P01	6498392	2002-12-24		Azuma			
P02	6464121	2002-10-15		Reijnders			
P03	6452279	2002-09-17		Shimoda			
P04	6444499	2002-09-03		Swiss, et al.			
P05	6400004	2002-06-04		Fan et al.			
P06	6395578	2002-05-28		Shin et al.			
P07	6384472	2002-05-07		Huang			
P08	6380048	2002-04-30		Boon, et al.			
P09	6373127	2002-04-16		Baudouin, et al.			
P10	6339255	2002-01-15		Shin			
P11	6326244	2001-12-04		Brooks, et al.			
P12	6323550	2001-11-27		Martin et al.			
P13	6316838	2001-11-13		Ozawa, et al.			
P14	6309909	2001-10-30		Ohgiyama			
P15	6303984	2001-10-16		Corisis			
P16	6297548	2001-10-02		Moden et al.			
P17	6294830	2001-09-25		Fjelstad			
P18	6291273	2001-09-18		Miyaki, et al.			
P19	6291271	2001-09-18		Lee, et al.			
P20	6285075	2001-09-04		Combs, et al.			
P21	6282095	2001-08-28		Houghton, et al.			
P22	6281568	2001-08-28		Glenn, et al.			
P23	6281566	2001-08-28		Magni			
P24	6256200	2001-07-03		Lam, et al.			
P25	6239384	2001-05-29		Smith, et al.			
P26	6229205	2001-05-08		Jeong, et al.			

<i>DLN</i>	P27	6225146	2001-05-01	[REDACTED]	Yamaguchi, et al.
	P28	6222258	2001-04-24	[REDACTED]	Asano, et al.
	P29	6218731	2001-04-17	[REDACTED]	Huang, et al.
	P30	6211462	2001-04-03	[REDACTED]	Carter, Jr., et al.
	P31	6208023	2001-03-20	[REDACTED]	Nakayama, et al.
	P32	6208020	2001-03-27	[REDACTED]	Minamio, et al.
	P33	6204554	2001-03-20	[REDACTED]	Ewer, et al.
	P34	6201292	2001-03-13	[REDACTED]	Yagi, et al.
	P35	6201186	2001-03-13	[REDACTED]	Daniels, et al.
	P36	6198171	2001-03-06	[REDACTED]	Huang, et al.
	P37	6197615	2001-03-06	[REDACTED]	Song, et al.
	P38	6184465	2001-02-06	[REDACTED]	Corisis
	P39	6181002	2001-01-30	[REDACTED]	Juso, et al.
	P40	6177718	2001-01-23	[REDACTED]	Kozono
	P41	6169329	2001-01-02	[REDACTED]	Farnworth, et al.
	P42	6140154	2000-10-31	[REDACTED]	Hinkle, et al.
	P43	6133623	2000-10-17	[REDACTED]	Otsuki, et al.
	P44	6130473	2000-10-10	[REDACTED]	Mostafazadeh, et al.
	P45	6130115	2000-10-10	[REDACTED]	Okumura, et al.
	P46	6118184	2000-09-12	[REDACTED]	Ishio, et al.
	P47	6118174	2000-09-12	[REDACTED]	Kim
	P48	6100594	2000-08-08	[REDACTED]	Fukui, et al.
	P49	6087722	2000-07-11	[REDACTED]	Lee, et al.
<i>DLN</i>	P50	6081029	2000-06-27	[REDACTED]	Yamaguchi

## Remarks

(Remarks are not for responding to an office action.)

This Electronic Information Disclosure Statement is being filed after the mailing of a first office action and before the mailing of a final office action, notice of allowance, or an action otherwise closing prosecution. Pursuant to 37 CFR 1.97(c)(2), the fee set forth in 37 CFR 1.17(p) of \$180.00 is due for the filing of this Information Disclosure Statement. Please charge this fee and any other fee that may be due to Deposit Account 19-4330.

## Signature

Examiner Name	Date
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**Note: Applicant is not required to submit a paper copy of cited US Patent Documents**

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
DLN	P01	6075284	2000-06-13		Choi, et al.		
	P02	6072228	2000-06-06		Hinkle, et al.		
	P03	6060769	2000-05-09		Wark		
	P04	6060768	2000-05-09		Hayashida, et al.		
	P05	6043430	2000-03-28		Chun		
	P06	6040626	2000-03-21		Cheah, et al.		
	P07	6034423	2000-03-07		Mostafazadeh, et al.		
	P08	6031279	2000-02-29		Lenz		
	P09	6025640	2000-02-15		Yagi, et al.		
	P10	6018189	2000-01-25		Mizuno		
	P11	6013947	2000-01-11		Lim		
	P12	6001671	1999-12-14		Fjelstad		
	P13	5986885	1999-11-16		Wyland		
	P14	5986333	1999-11-16		Nakamura		
	P15	5981314	1999-11-09		Glenn, et al.		
	P16	5977615	1999-11-02		Yamaguchi, et al.		
DLN	P17	5976912	1999-11-02		Fukutomi, et al.		

DUN	P18	5973388	1999-10-26		Chew, et al.
	P19	5959356	1999-09-28		Oh
	P20	5951305	1999-09-14		Haba
	P21	5942794	1999-08-24		Okumura, et al.
	P22	5939779	1999-08-17		Kim
	P23	5917242	1999-06-29		Ball
	P24	5903050	1999-05-11		Thurairajaratnam, et al.
	P25	5903049	1999-05-11		Mori
	P26	5900676	1999-05-04		Kweon, et al.
	P27	5897339	1999-04-27		Song, et al.
	P28	5886398	1999-03-23		Low, et al.
	P29	5877043	1999-03-02		Alcoe, et al.
	P30	5874784	1999-02-23		Aoki, et al.
	P31	5859471	1999-01-12		Kuraishi, et al.
	P32	5844306	1998-12-01		Fujita, et al.
	P33	5834830	1998-11-10		Cho
	P34	5821615	1998-10-13		Lee
	P35	5821457	1998-10-13		Mosley, et al.
DUN	P36	5818105	1998-10-06		Kouda

DLN	P37	5817540	1998-10-06	[REDACTED]	Wark
	P38	5814884	1998-09-29	[REDACTED]	Davis, et al.
	P39	5814883	1998-09-29	[REDACTED]	Sawai, et al.
	P40	5814881	1998-09-29	[REDACTED]	Alagaratnam, et al.
	P41	5814877	1998-09-29	[REDACTED]	Diffenderfer, et al.
	P42	5801440	1998-09-01	[REDACTED]	Chu, et al.
	P43	5776798	1998-07-07	[REDACTED]	Quan, et al.
	P44	5770888	1998-06-23	[REDACTED]	Song, et al.
	P45	5766972	1998-06-16	[REDACTED]	Takahashi, et al.
	P46	5753977	1998-05-19	[REDACTED]	Kusaka, et al.
	P47	5745984	1998-05-05	[REDACTED]	Cole, Jr., et al.
	P48	5736432	1998-04-07	[REDACTED]	Mackessy
	P49	5723899	1998-03-03	[REDACTED]	Shin
DLN	P50	5710064	1998-01-20	[REDACTED]	Song, et al.

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Examiner Name	Date
	6/16/03

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Init No.	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
	P01	5703407	1997-12-30		Hori		
	P02	5696666	1997-12-09		Miles, et al.		
	P03	5689135	1997-11-18		Ball		
	P04	5683806	1997-11-04		Sakumoto, et al.		
	P05	5673479	1997-10-07		Hawthorne		
	P06	5665996	1997-09-09		Williams, et al.		
	P07	5650663	1997-07-22		Parthasaranthi		
	P08	5646831	1997-07-08		Manteghi		
	P09	5644169	1997-07-01		Chun		
	P10	5641997	1997-07-24		Ohta, et al.		
	P11	5640047	1997-07-17		Nakashima		
	P12	5639990	1997-06-17		Nishihara, et al.		
	P13	5633528	1997-05-27		Abbott, et al.		
	P14	5625222	1997-04-29		Yoneda, et al.		
	P15	5608267	1997-03-04		Mahulikar, et al.		
	P16	5604376	1997-02-18		Hamburgen, et al.		
	P17	5594274	1997-01-14		Suetaki		
	P18	5592025	1997-01-07		Clark, et al.		
	P19	5581122	1996-12-03		Chao, et al.		
	P20	5545923	1996-08-13		Barber		
	P21	5544412	1996-08-13		Romero, et al.		
	P22	5543657	1996-08-06		Diffenderfer, et al.		
	P23	5539251	1996-07-23		Iverson, et al.		
	P24	5534467	1996-07-09		Rostoker		

	P25	5517056	1996-05-14		Bigler, et al.
	P26	5508556	1996-04-16		Lin
	P27	5493151	1996-02-20		Asada, et al.
	P28	5474958	1995-12-12		Djennas, et al.
	P29	5454905	1995-10-03		Fogelson
	P30	5444301	1995-08-22		Song, et al.
	P31	5435057	1995-07-25		Bindra, et al.
	P32	5424576	1995-06-13		Djennas, et al.
	P33	5414299	1995-05-09		Wang, et al.
	P34	5410180	1995-04-25		Fujii, et al.
	P35	5406124	1995-04-11		Morita, et al.
	P36	5391439	1995-02-21		Tomita, et al.
	P37	5343076	1994-08-30		Katayama, et al.
	P38	5336931	1994-08-09		Juskey, et al.
	P39	5335771	1994-08-09		Murphy
	P40	5332864	1994-07-26		Liang, et al.
	P41	5327008	1994-06-05		Djennas, et al.
	P42	5294897	1994-03-15		Notani, et al.
	P43	5279029	1994-01-18		Burns
	P44	5277972	1994-01-11		Sakumoto, et al.
	P45	5273938	1993-12-28		Lin, et al.
	P46	5266834	1993-11-30		Nishi, et al.
	P47	5258094	1993-11-02		Furui, et al.
	P48	5252853	1993-10-12		Michii
	P49	5250841	1993-10-05		Sloan, et al.
	P50	5221642	1993-06-22		Burns

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Examiner Name	Date
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init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
01	P01	5218231	1993-06-08	[Barcode]	Kudo		
	P02	5216278	1993-06-01	[Barcode]	Lin, et al.		
	P03	5214845	1993-06-01	[Barcode]	King, et al.		
	P04	5200809	1993-04-06	[Barcode]	Kwon		
	P05	5200362	1993-04-06	[Barcode]	Lin, et al.		
	P06	5096852	1992-03-17	[Barcode]	Hobson		
	P07	5087961	1992-02-11	[Barcode]	Long, et al.		
	P08	5070039	1991-12-03	[Barcode]	Johnson, et al.		
	P09	5065223	1991-11-12	[Barcode]	Matsuki, et al.		
	P10	5029386	1991-07-09	[Barcode]	Chao, et al.		
	P11	4987475	1991-01-22	[Barcode]	Schlesinger, et al.		
	P12	4935803	1990-06-19	[Barcode]	Kalfus, et al.		
	P13	4920074	1990-04-24	[Barcode]	Shimizu, et al.		
	P14	4907067	1990-03-06	[Barcode]	Derryberry		
	P15	4862246	1989-08-29	[Barcode]	Masuda, et al.		
	P16	4862245	1989-08-29	[Barcode]	Pashby, et al.		
	P17	4812896	1989-03-14	[Barcode]	Rothgery, et al.		
	P18	4756080	1988-07-12	[Barcode]	Thorp, Jr., et al.		
	P19	4737839	1988-04-12	[Barcode]	Burt		
	P20	4707724	1987-11-17	[Barcode]	Suzuki, et al.		
	P21	4417266	1983-11-22	[Barcode]	Grabbe		
	P22	4301464	1981-11-17	[Barcode]	Otsuki, et al.		
	P23	4289922	1981-09-15	[Barcode]	Devlin		
	P24	4258381	1981-03-24	[Barcode]	Inaba		
	P25	4189342	1980-02-19	[Barcode]	Kock		
	P26	4054238	1977-10-18	[Barcode]	Lloyd, et al.		
02	P27	3838984	1974-10-01	[Barcode]	Crane, et al.		

<i>ph</i>	P28	RE36907	2000-10-10		Templeton, Jr., et al.	
<i>dc</i>	P29	RE36613	2000-03-14		Ball	

## Published Applications

**Note: Applicant is not required to submit a paper copy of cited US Patent Documents**

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
<i>ph</i>	U01	20020140068	2002-10-03		Lee, et al.		
	U02	20020140061	2002-10-03		Lee		
	U03	20020024122	2002-02-28		Jung, et al.		
	U04	20020011654	2002-01-31		Kimura		
<i>dc</i>	U05	20010008305	2001-07-19		McLellan, et al.		

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## Signature

Examiner Name	Date
<i>Debusky, Jr.</i>	9/24/04

